



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(60) Parent Application or Grant DISCOVISION ASSOCIATES [/]; O. LEE, Kenny, Ying, Theeng [/]; O. LEE, Kenny, Ying, Theeng [/]; O. HARRIS, Scott, C. ; O.			
<p>(54) Title: MESSAGE SYSTEM FOR ASYNCHRONOUS TRANSFER MODE (54) Titre: SYSTEME DE GESTION DE MESSAGES A MODE DE TRANSFERT ASYNCHRONE</p> <p>(57) Abstract</p> <p>An asynchronous transfer mode system operates using virtual addresses VPI and VCI (310). Cells including these addresses are received (305). The data associated with these cells is stored in a table. The table contents are advantageously accessed according to a connection number. The proper connection number is more easily found by using two variables. A first variable is associated with a number of active connections (316). A second variable is associated with the last-used index in the table (317).</p> <p>(57) Abrégé</p> <p>L'invention porte sur un système à mode de transfert asynchrone qui fonctionne au moyen d'adresses virtuelles VPI (identificateur voie virtuelle) et VCI (identificateur canal virtuel). Des cellules comprenant ces adresses sont recueillies. Les données associées à ces cellules sont stockées dans une table. On accède de manière avantageuse au contenu de la table d'après un numéro de connexion. Le numéro de connexion correct se trouve plus facilement à l'aide de deux variables. Une première variable est associée à un numéro de connexions actives. Une seconde variable est associée à l'indice utilisé en dernier dans la table.</p>			

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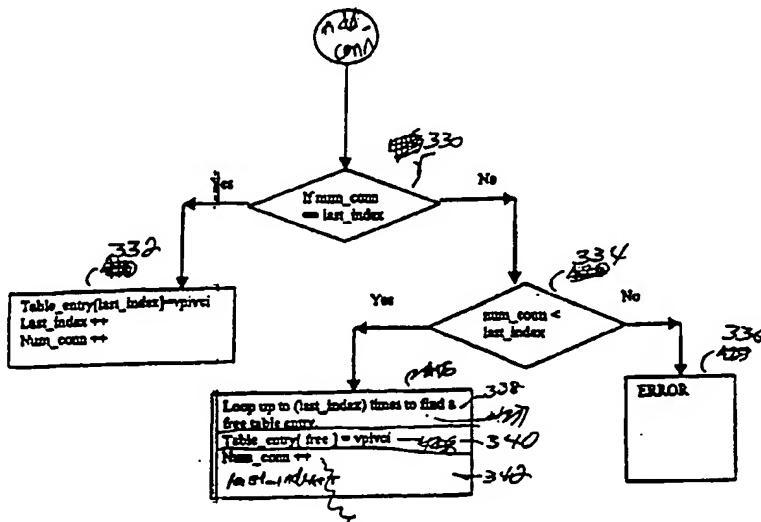
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<p>(21) International Application Number: PCT/US99/14236</p> <p>(22) International Filing Date: 23 June 1999 (23.06.99)</p> <p>(30) Priority Data: US 60/090,441 24 June 1998 (24.06.98) US</p> <p>(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application US 60/090,441 (CIP) Filed on 24 June 1998 (24.06.98)</p> <p>(71) Applicant (for all designated States except US): DISCOVISION ASSOCIATES [US/US]; Suite 200, 2355 Main Street, Irvine, CA 92614 (US).</p> <p>(72) Inventor; and</p> <p>(75) Inventor/Applicant (for US only): LEE, Kenny, Ying, Theeng (-US); Duluth, GA (US).</p> <p>(74) Agent: HARRIS, Scott, C.; Fish & Richardson P.C., Suite 1400, 4225 Executive Square, La Jolla, CA 92037 (US).</p>		
<p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TI, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With a revised version of the international search report.</p> <p>(88) Date of publication of the international search report: 23 March 2000 (23.03.00)</p> <p>(88) Date of publication of the revised version of the international search report: 10 August 2000 (10.08.00)</p>		

(54) Title: MESSAGE SYSTEM FOR ASYNCHRONOUS TRANSFER MODE



(57) Abstract

An asynchronous transfer mode system operates using virtual addresses VPI and VCI (310). Cells including these addresses are received (305). The data associated with these cells is stored in a table. The table contents are advantageously accessed according to a connection number. The proper connection number is more easily found by using two variables. A first variable is associated with a number of active connections (316). A second variable is associated with the last-used index in the table (317).

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INTERNATIONAL SEARCH REPORT

Int. Search Application No.
PCT/US 99/14236A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 H04Q11/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HILL M ET AL: "ASYNCHRONOUS TRANSFER MODE RECEIVER" IEE PROCEEDINGS E. COMPUTERS & DIGITAL TECHNIQUES, GB, INSTITUTION OF ELECTRICAL ENGINEERS, STEVENAGE, vol. 139, no. 5 PART E, 1 September 1992 (1992-09-01), pages 401-409, XP000319888 ISSN: 1350-2387 figures 2-4 page 402, right-hand column, line 8-11 page 403, right-hand column, line 3 -page 406, left-hand column, line 15	1-3, 13-15, 27,33, 66,77,82
A		16,22, 43,55, 63,90, 96,104 -/-

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Date of the actual completion of the international search

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Name and mailing address of the ISA
European Patent Office, P.B. 5018 Patenttaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tr. 31 651 apo nl.
Fax: (+31-70) 340-3016

Authorized officer

Dhondt, E

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PCT/US 99/14236

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 08 180001 A (MITSUBISHI ELECTRIC CORP) 12 July 1996 (1996-07-12) -& US 5 790 804 A (OSBORNE RANDY B) 4 August 1998 (1998-08-04) abstract; figures 8,9 column 15, line 25-41 column 16, line 24-37 column 20, line 3-5	1-3
A	TRAW C B S ET AL: "A HIGH-PERFORMANCE HOST INTERFACE FOR ATM NETWORKS" PROCEEDINGS OF THE CONFERENCE ON COMMUNICATIONS ARCHITECTURES AND PROTOCOLS (SIGCOMM), US, NEW YORK, ACM, vol. SYMP. 21, 1991, pages 317-325, XP000260090 the whole document	1-107

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US 99/14236

Patent document cited in search report	Publication data	Patent family member(s)	Publication data
JP 08180001 A	12-07-1996	US 5790804 A	04-08-1998